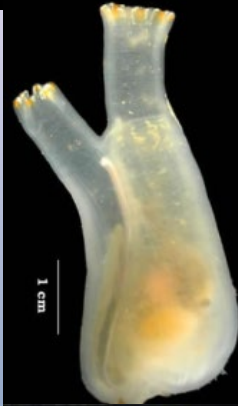


Evolution and Development

Pierre Kerner

Université Paris Cité



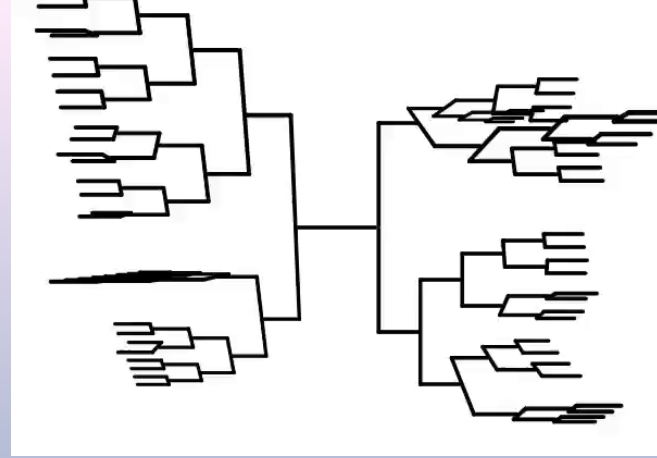
The aim of this one-week course is to show that **developmental genetics** can provide new and essential tools to decipher the **fundamental mechanisms** that control the **evolution** of multi-cellular organisms.

This course aims at giving an overall view of the topic « **Evolution and Development** » (**evodevo**) through courses/conferences that highlight various aspects of this topic and that are given by researchers working in this field.

The courses will be held in the Buffon building on the main University campus

Room RH10A





Tree thinking for Evo-Devo :

reading a phylogenetic tree / inferring ancestral character states

Didier Casane (Université Paris Cité),

Laboratoire Evolution, Génomes, Comportement, Ecologie, Gif-sur-Yvette

Origin and Evolution of Stem Cells in Animals

Eve Gazave (CNRS),

Institut Jacques Monod, Paris



Formation and Evolution of Color Patterns

*Marie Manceau (CNRS),
Collège de France, Paris*



Symmetry and Asymmetry in Biology

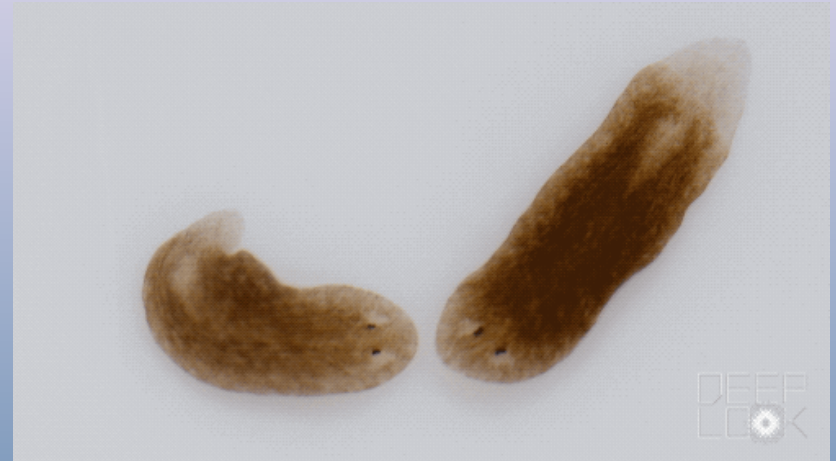
*Vincent Debat (MNHN),
Institut de Systématique, Évolution, Biodiversité
(ISYEB, Paris)*



Flatworms as model for Evo-Devo studies

Juliette Azimzadeh (CNRS)

Institut Jacques Monod, Paris



Genotype-phenotype relationship: homologies, convergences, environmental factors

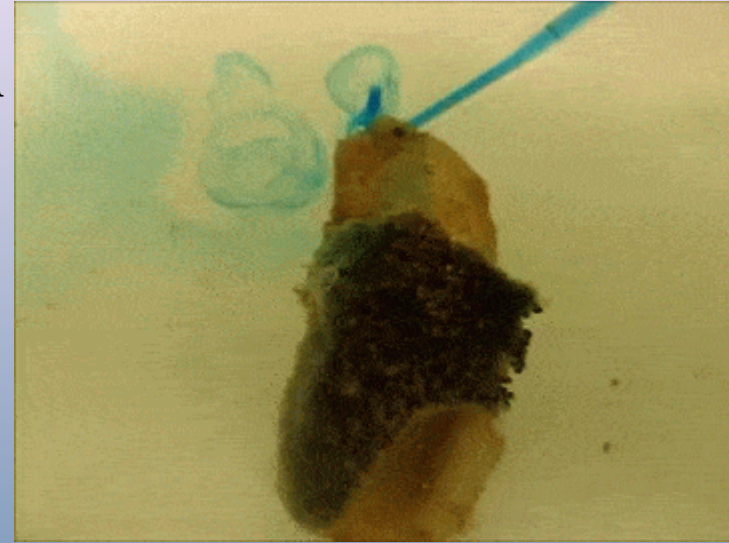
Virginie Courtier-Orgogozo (CNRS),

Institut Jacques Monod, Paris



Evolution of *cis*-regulation in Tunicates

*Pierre Kerner (Université Paris Cité),
Institut Jacques Monod, Paris*

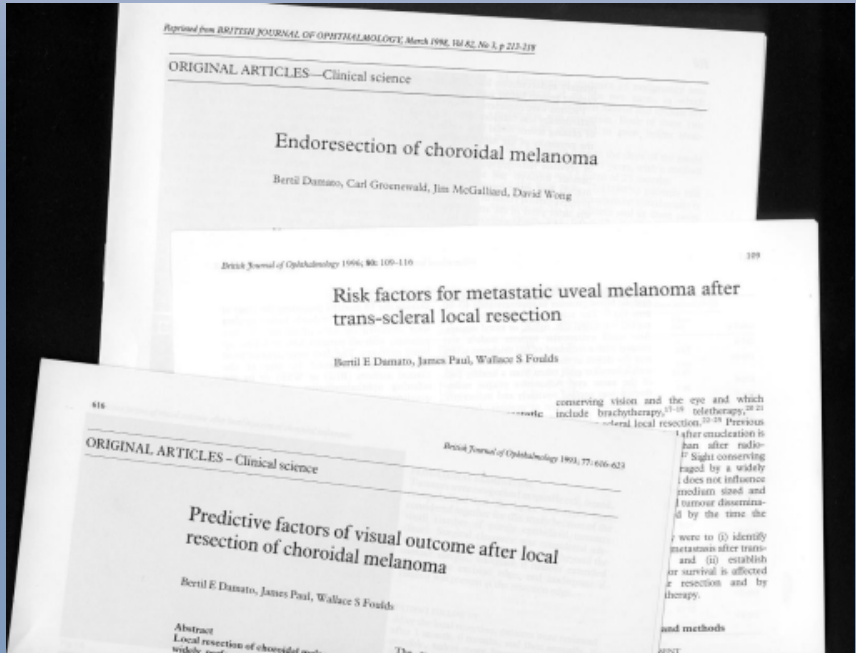
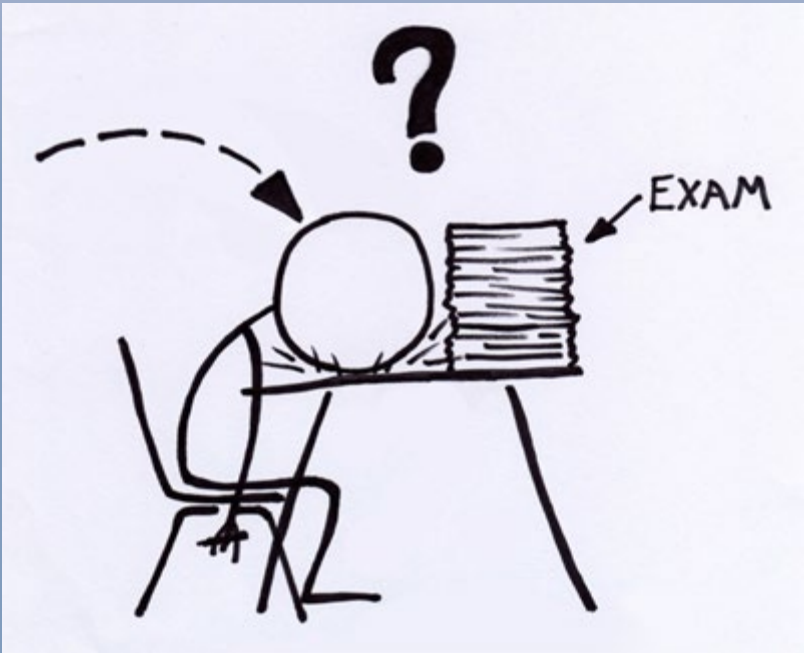


Preparation of the oral presentations.



Oral presentations by the students

*Pierre Kerner (Université Paris Cité),
Institut Jacques Monod, Paris.*



Please send an e-mail **as soon as possible** to:

pierre.kerner@u-paris.fr

We will then be able to send you, before the start of the course:

Additional practical information about the course

The PDFs of the articles that have to be read for
the oral presentation session